Technological Forecasting and Social Change

An International Journal

Volume 59, Number 1, September 1998

Contents

CARLOS A. MALLMANN **GUILLERMO A. LEMARCHAND** (Buenos Aires, Argentina)	Generational Explanation of Long-Term "Billow-Like" Dynamics of Societal Processes	1
BRIAN J. L. BERRY (Richardson, TX)	Generational Billows? A Comment on Mallman-Lemarchand	31
THEODORE MODIS (Geneva, Switzerland)	Limits to Cycles and Harmony in Revolutions	33
GEORGE MODELSKI (Seattle, WA)	Generations and Global Change	39
CARLOS A. MALLMANN **GUILLERMO A. LEMARCHAND** (Buenos Aires, Argentina)	A Reply to Berry, Modis, and Modelski	47
JOHN SHEFFIELD (Oak Ridge, TN)	World Population Growth and the Role of Annual Energy Use per Capita	55
WILLIAM E. HALAL **MICHAEL D. KULL** **ANN LEFFMANN** (Washington, DC)	The GWU Forecast of Emerging Technologies: A Continuous Assessment of the Technology Revolution	89

Technological Forecasting and Social Change

An International Journal

Volume 59, Number 2, October 1998

Contents

JUERGEN GAUSEMEIER **ALEXANDER FINK** **OLIVER SCHLAKE** (Paderborn, Germany)	Scenario Management: An Approach to Develop Future Potentials	111
GEOFFREY P. HAMMOND (Bath, United Kingdom)	Alternative Energy Strategies for the United Kingdom Revisited: Market Competition and Sustainability	131
HARIOLF GRUPP (Karlsruhe, Germany) **GUNNAR MUENT** (Ludwigshafen, Germany) **ANDREAS TOEGEL** (Munich, Germany)	Firms in New Technologies: The Case of Superconductivity	153
GERALD W. SCULLY **FRANK M. BASS** (Dallas, TX)	Relative Income and Investment Comparisons among OECD Nations	167
ALMAS HESHMATI **NOSRATOLLAH NAFAR** (Göteborg, Sweden)	A Production Analysis of the Manufacturing Industries in Iran	183
	Column	
PETER A. CORNING (Palo Alto, CA)	*From My Perspective* Complexity Is Just a Word!	197
	Book Reviews	
JOSEPH F. COATES (Washington, D.C.)	*The 500-Year Delta* (Jim Taylor and Watts Wacker with Howard Means); *Cerealizing America: The Unsweetened Story of American Breakfast Cereal* (Scott Bruce and Bill Crawford); *Encyclopedia of World Problems and Human Potential* (Union of International Associations); *Human Judgment and Social Policy* (Kenneth R. Hammond)	201
PETER BISHOP (Houston, TX)	*Modeling Global Change* (Lawrence R. Klein and Fu-chen Lo)	205
KAROL I. PELC (Houghton, MI)	*Information Ecology: Mastering the Information and Knowledge Environment* (Thomas H. Davenport)	207

Technological Forecasting and Social Change

An International Journal

Volume 59, Number 3, November 1998

Contents

ROBERT U. AYRES (Fountainbleau, France)	Technological Progesss: A Proposed Measure	213
EMILIO ESPOSITO MICHELE MASTROIANNI (Naples, Italy)	Technological Evolution of Personal Computers and Market Implications	235
FRANCOIS C. SMIT CARL W. I. PISTORIUS (Pretoria, South Africa)	Implications of the Dominant Design in Electronic Initiation Systems in the South African Mining Industry	255
AARON J. SHENHAR (Hoboken, NJ) **SADOK Z. HOUGUI DOV DVIR ASHER TISHLER YAIR SHARAN** (Tel Aviv, Israel)	Understanding the Defense Conversion Dilemma	275
NOEL D. URI (Washington, D.C.)	Development and Use of Biopesticides: Implications of Government Policy and Consumers' Preferences	291
	Column	
JOSEPH F. COATES (Washington, D.C.)	*From My Perspective* The Future of Heroism	305
	Book Reviews	
DEIRDRE MENDEZ (Austin, TX)	*Cross-Cultural Business Negotiations* (Donald W. Hendon, Rebecca Angeles hendon, and Paul Herbig)	309
JOSEPH P. MARTINO (Sidney, OH)	*The Shape Shifters* (John Mariotti)	313
LEW N. GOSLIN (Portland, OR)	*Imitation to Innovation: The Dynamic of Korea's Technological Learning* (Linsu Kim)	315
	Volume 59 Author Index	327
	Volume 59 Book Review Index	327
	Volume 59 Subject Index	328
	Volume 59 Contents	